

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name Vaseline Constant Care Salve
Use/Size Salve / 2 oz. (8884-737500), 8 oz. (8884-737600)
Product Numbers 8884-737500, 8884-737600
Manufacturer/Supplier Tyco Healthcare/ Kendall
Address 15 Hampshire Street
 Mansfield, MA 02048
Phone Number (508) 261-8000 (Monday – Friday 8:00 am to 5:00 pm)
Chemtrec Number (800) 424-9300
Revision Date: January 30, 2004
MSDS Date: September 22, 1998

This MSDS has been compiled in accordance with - EC Directive 91/155/EC - OSHA's Hazcom Standard (29 CFR 1910.1200)

2. COMPOSITION/INFORMATION ON THE COMPONENTS

Component Name	CAS#/Codes	Concentration	R Phrases	Classification
Petroleum Jelly	8009-03-8 232-373-2	25.00 -35.00%	R-None	None
Mineral Oil	8042-47-5 232-455-8	30.00 -40.00%	R-None	None
Aluminum Starch Octenylsuccinate	9087-61-0 No EC #	15.00 -25.00%	R-None	None
Zinc Oxide	1314-13-2 215-222-5	5.00 -12.00%	R-None	None
Titanium Dioxide	13463-67-7 236-675-5	1.00 -5.00%	R-None	None
Silica, Amorphous Fumed	112945-52-5 231-545-43	1.00 -3.00%	R-None	None

3. HAZARD IDENTIFICATION

EU Main Hazards

Not classified as hazardous.

Routes of Entry

- Eye contact - Ingestion - Skin contact

Carcinogenic Status

Not considered carcinogenic by NTP, IARC, and OSHA.

Target Organs

- Eye - Skin

Health Effects - Eyes

Contact may cause conjunctival irritation and transient corneal damage.

Health Effects - Skin

This product is non-irritating to the skin and skin absorption is not associated with any health effects.

Health Effects - Ingestion

A large dose may have the following effects:

- nausea - vomiting - diarrhea - abdominal pain - intestinal obstruction

Health Effects - Inhalation

No adverse effects are expected during normal conditions of use.

4. FIRST AID MEASURES

Eyes

Immediately flood the eye with plenty of water for at least 15 minutes, holding the eye open. Obtain medical attention if soreness or redness persists.

Skin

If skin irritation develops, or other symptoms occur, discontinue use. Seek medical attention if symptoms persist.

Ingestion

Do not induce vomiting. Have victim drink 1-3 glasses of water to dilute stomach contents. Never administer anything by mouth if a victim is losing consciousness, is unconscious or is convulsing. Obtain medical attention immediately.

Inhalation

If there is difficulty in breathing, give oxygen. Seek medical attention if symptoms persist.

Advice to Physicians

Treat symptomatically.

5. FIRE FIGHTING MEASURES

Extinguishing Media

Not Flammable. Select extinguishing agent appropriate to other materials involved.

Unusual Fire and Explosion Hazards

None known.

Protective Equipment for Fire-Fighting

Wear full protective clothing and self-contained breathing apparatus.

6. ACCIDENTAL RELEASE MEASURES

This product may be collected by carefully scooping into a pan, paper towel or other absorbent material. Transfer into suitable containers for recovery or disposal. No specific measures necessary.

7. HANDLING AND STORAGE

Keep container tightly closed when not in use. Storage area should be: - cool - dry - well ventilated
- away from incompatible materials

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Occupational Exposure Standards

Exposure limits are listed below, if they exist.

Petroleum Jelly

None assigned.

Mineral Oil

None assigned.

Aluminum Starch Octenylsuccinate

None assigned.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Zinc Oxide

None assigned.

Titanium Dioxide

None assigned.

Silica, Amorphous Fumed

None assigned.

Engineering Control Measures

No specific measures necessary.

Respiratory Protection

Respiratory protection not normally required.

Hand Protection

Skin protection not normally required.

Eye Protection

Eye protection not normally required. However, care should be taken to avoid accidental exposure.

Body Protection

Normal work wear.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State	Thick Cream
Color	Off-white to Light - Tan
Odor	Fragrant
pH	No data.
Specific Gravity	1.05-1.08
Boiling Range/Point (°C/F)	No data.
Melting Point (°C/F)	No data.
Flash Point (PMCC) (°C/F)	No data.
Explosion Limits (%)	No data.
Vapor Pressure	No data.
Density	No data.
Solubility in Water	No data.
Vapor Density (Air = 1)	No data.
Viscosity (cSt)	No data.

10. STABILITY AND REACTIVITY

Stability

Stable under normal conditions.

Conditions to Avoid

- Heat - High temperatures

Materials to Avoid

- Oxidizing agents - Strong acids

10. STABILITY AND REACTIVITY

Hazardous Polymerization

Will not occur.

Hazardous Decomposition Products

- acid smoke and irritating fumes - oxides of carbon - zinc oxide fumes

11. TOXICOLOGICAL INFORMATION

Acute Toxicity

Low order of acute toxicity predicted. In dermal toxicity studies, this product was not found to be a primary skin irritant when applied to rabbit skin for 24 or 48 hours.

Zinc Oxide: Oral LD50 (mouse) 7950mg/kg. A 500 mg dose applied to the rabbit eye for 24 hours caused mild irritation.

Silica, Amorphous Fumed: Oral LD50 (rat) 3160mg/kg.

Chronic Toxicity/Carcinogenicity

Zinc Oxide: Long-term inhalation exposure (15 mg/m³/8hours/84 days) in rats caused pulmonary inflammation and changes in pulmonary function. In multidose studies with guinea pigs, inhalation exposure (4600-5900 ug/m³/3-6 days) caused changes in the respiratory organs and biochemical effects.

Silica, Amorphous Fumed: In a multidose study with rats, inhalation exposure (154 mg/m³/4 weeks) caused changes in the trachea and bronchi and biochemical effects. When given to rats by inhalation (50 mg/m³/6 hours/2 years) caused tumors of the lungs and thorax.

Titanium Dioxide: In several chronic studies with rats and mice, long-term inhalation exposure caused increased lung weights, respiratory lesions and abnormal pulmonary function. In rats, inhalation exposure (250 mg/m³/6hours/2years) caused tumors of the respiratory system. Intramuscular injections (260-360 mg/kg/2years) resulted in tumors at the site of application and blood lymphomas, including Hodgkins's disease. IARC assessment: this product is not classifiable as to its carcinogenicity to humans (Group 3).

Genotoxicity

Zinc Oxide: DNA damage (E.coli); cytogenetic analysis (rat, in vivo); oncogenic transformation, unscheduled DNA synthesis, and sister chromatid exchange (hamster, embryo); unscheduled DNA synthesis (guinea pig, in vivo).

Titanium Dioxide: DNA inhibition (hamster, lung); micronucleus test (mouse, intraperitoneal).

Silica, Amorphous Fumed: unscheduled DNA synthesis (rat, invivo); body fluid assay (rat, lung cells).

Reproductive/Developmental Toxicity

Zinc Oxide: Oral administration to rats during pregnancy (6846 mg/kg) caused developmental abnormalities and an increased incidence of stillbirths.

12. ECOLOGICAL INFORMATION

Mobility

No relevant studies identified.

Persistence/Degradability

No relevant studies identified.

Bio-accumulation

No relevant studies identified.

Ecotoxicity

No relevant studies identified.

13. DISPOSAL

Dispose of in accordance with all applicable local and national regulations.

14. TRANSPORT INFORMATION

DOT CFR 172.101 Data	Not Regulated
UN Proper Shipping Name	Not Regulated
UN Class	None.
UN Number	None.
UN Packaging Group	None.
Classification for AIR Transportation (IATA)	Consult current IATA Regulations prior to shipping by air.

15. REGULATORY INFORMATION

EU Label Information

Classification and labelling have been performed according to EU directives 67/548/EEC and 99/45/EC including amendments.

EU Hazard Symbol and Indication of Danger

According to EC Commission Directive 67/548/EEC this product is not classified.

R phrases

None.

S phrases

None.

US REGULATIONS (Federal, State) and INTERNATIONAL CHEMICAL REGISTRATION LAWS

TSCA Listing

All ingredients have been verified for inclusion on the EPA Toxic Substance Control Act Chemical Substance Inventory.

EINECS Listing

All ingredients in this product are listed on the European Inventory of Existing Commercial Chemical Substances (EINECS) or are exempt from listing.

DSL (Canadian) Listing

All ingredients in this product are listed on the Domestic Substance List (DSL).

MA Right To Know Law

All components have been checked for inclusion on the Massachusetts Substance List (MSL). Those components present at or above the de minimus concentration include: - Titanium Dioxide

PA Right To Know Law

This product contains the following chemicals found on the Pennsylvania Hazardous Substance List: - Titanium Dioxide - Zinc Oxide - Aluminum Starch Octenylsuccinate

NJ Right To Know Law

This product contains the following chemicals found on the NJ Right To Know Hazardous Substance List: - Titanium Dioxide - Zinc Oxide

15. REGULATORY INFORMATION

California Proposition 65

This product does not contain materials which the State of California has found to cause cancer, birth defects or other reproductive harm.

SARA Title III Sect. 302 (EHS)

This product does not contain any chemicals subject to SARA Title III Section 302.

SARA Title III Sect. 304

This product does not contain any chemicals subject to SARA Title III Section 304.

SARA Title III Sect. 311/312 Categorization

Immediate (Acute) Health Hazard

Delayed (Chronic) Health Hazard

SARA Title III Sect. 313

This product contains a chemical that is listed in Section 313 at or above de minimis concentrations.

The following listed chemicals are present: - Zinc Oxide (1314-13-2)

16. OTHER INFORMATION

NFPA Ratings

NFPA Code for Flammability - 0

NFPA Code for Health - 0

NFPA Code for Reactivity - 0

NFPA Code for Special Hazards - 0

HMIS Ratings

HMIS Code for Flammability - 0

HMIS Code for Health - 0

HMIS Code for Reactivity - 0

HMIS Code for Personal Protection - See Section 8

Abbreviations

N/A: Denotes no applicable information found or available

CAS#: Chemical Abstracts Service Number

ACGIH: American Conference of Governmental Industrial Hygienists

OSHA: Occupational Safety and Health Administration

TLV: Threshold Limit Value

PEL: Permissible Exposure Limit

STEL: Short Term Exposure Limit

NTP: National Toxicology Program

IARC: International Agency for Research on Cancer

EU: European Union

R: Risk

S: Safety

LC50: Lethal Concentration 50%

LD50: Lethal Dose 50%

BOD: Biological Oxygen Demand

KoC: Soil Organic Carbon Partition Coefficient

Prepared By: EnviroNet LLC.

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